

Check List for Pressure Measuring Instruments with Chemical Seal

Inquiry- / Project- / Order-No.

Name / Address / Phone / E-Mail

Application (short description)

Quantity

Pressure measuring instrument / if applicable electrical accessories (ordering code)

Attention please! A mounting device is required for systems with capillary line:

- Gauge holder bracket 60 mm (2.36") 100 mm (3.94") 160 mm (6.3") aluminum black stainless steel
 front flange for panel mounting
 back flange for surface mounting

Chemical Seal

Diaphragm seal (MDM)

In-line seal (RDM)

Capsule seal (TDM)

Model

Installation at Ex-Zone 0

yes (with Adapt FS according to data sheet 11001)

no

Process connection

.....

DN

PN

for RDM

suitable for tube inside diameter mm

for MDM with extension

length of extension tube mm

Medium

gaseous liquid viscous abrasive

Material of wetted parts

standard, according to data sheet special material:

max. operating pressure

statical bar / dynamical from to bar / Frequency Hz

Could vacuum occur?

yes, smallest absolute pressure mbar no

at temperature °C

Working temperature (t_A)

medium °C constant, or min. °C / max. °C

dial inscription t_A = °C (will be calibrated)

Cleaning temperature (t_R)

at chemical seal max. °C / duration of cleaning h

Ambient temperature (t_{UD})

at pressure measuring instrument °C constant, or min. °C / max. °C

Ambient temperature (t_{UF})

at capillary line °C constant, or min. °C / max. °C

Outdoor use

yes no

Filling fluid

selection according to above stated temperatures

further requirements: for oxygen for chlorine silicone-free

food compatible FDA approved

others:

Certificate

3.1 according to EN 10204 for wetted parts no others:

Accessories

(e. g. process connection pieces, flushing ring etc.)

Mounting

see page 2



Sales and Export South, West, North

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Subsidiary Company, Sales and Export East

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Heading

7

07/09

Check List for Pressure Measuring Instruments with Chemical Seal

Mounting according to drawing no.:

ref. drawing 16-21 Length of capillary line L = m H = m

with PE-cover flexible armour other specifics:


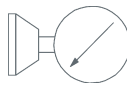

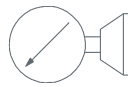

ref. drawing 1-15 Cooling element yes, KEIv to 150 °C (302 °F), length 110 mm (4.33")

KEIvR to 150 °C (302 °F), length 78 mm (3.07")

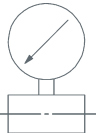
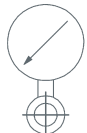
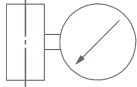
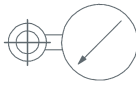

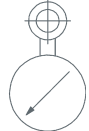
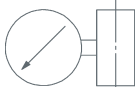
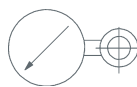


KEIv to 250 °C (482 °F), length 200 mm (7.87") specifics no

See additional form for drawings of differential pressure gauges for level- and flow-through measurement.

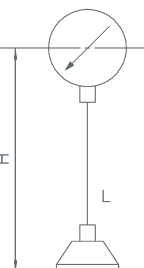
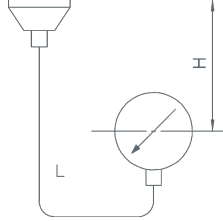
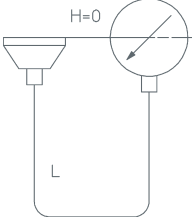
Directly mounted Diaphragm Seal (MDM)

Drawing 1	Drawing 2	Drawing 3	Drawing 4	Drawing 5
				
Bottom connection	Connection at 9 o'clock	Connection at 12 o'clock	Connection at 3 o'clock	Back connection

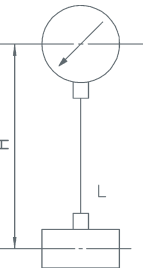
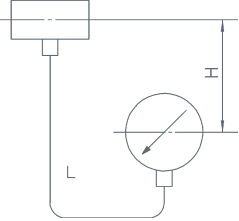
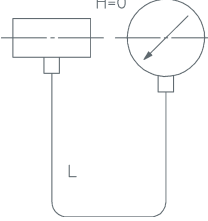
Directly mounted In-line seal (RDM)

Drawing 6	Drawing 7	Drawing 8	Drawing 9	Drawing 10
				
Drawing 11	Drawing 12	Drawing 13	Drawing 14	Drawing 15
				

MDM Mounting with Capillary Line

Drawing 16	Drawing 17	Drawing 18
		

RDM Mounting with Capillary Line

Drawing 19	Drawing 20	Drawing 21
		

For mounting with capillary line the drawings 16 to 21 show only pressure gauges with bottom connection at 6 o'clock. Please combine the drawings for other connection positions of the measuring instrument.

Example: Pressure gauge with **back connection**, mounted 3 m above an in-line seal, length of capillary line 5 m
➔ Description: Mounting according to drawing no. 15, 19, length of capillary line L = 5 m (16.40 ft), H = 3 m (9.84 ft)

Important notes for mounting with capillary line

- ➔ If vacuum occurs or possibly could occur, the pressure measuring instrument has to be mounted at least 40 cm (15.75") below the chemical seal (drawing 17 for MDM, drawing 20 for RDM).
- ➔ The pressure measuring instrument requires a mounting device if it is connected with a capillary line. (compare page 1, first paragraph)

Specifics: Instruments are being autoclaved at 130 °C (266 °F)

required control volume for mounting of instruments of external brands :

others: